

At page 33, line 2, delete "Sepharose" and insert therefore --SEPHAROSE™--

At page 33, lines 4 and 8, delete "Superose" and insert therefore --SUPEROSE™--

At page 33, line 8, delete "Mono P" and insert therefore --MONO P™--

## IN THE CLAIMS

Please amend the claims as follows:

100. (Amended) An antibody immunoreactive with a 5-enolpyruvylshikimate-3-phosphate synthase enzyme, [the] said enzyme comprising the sequence domains:

-R-X<sub>1</sub>-H-X<sub>2</sub>-E- (SEQ ID NO:37), in which

X<sub>1</sub> is G, S, T, C, Y, N, Q, D or E;

X<sub>2</sub> is S or T; and

-G-D-K-X<sub>3</sub>- (SEQ ID NO:38), in which

X<sub>3</sub> is S or T; and

-S-A-Q-X<sub>4</sub>-K- (SEQ ID NO:39), in which

X<sub>4</sub> is A, R, N, D, C, Q, E, G, H, I, L, K, M, F, P, S, T, W, Y or V; and

-N-X<sub>5</sub>-T-R- (SEQ ID NO:40), in which

X<sub>5</sub> is A, R, N, D, C, Q, E, G, H, I, L, K, M, F, P, S, T, W, Y or V.

101. (Amended) The antibody of claim [101] 100, wherein X<sub>1</sub> is D or N; X<sub>2</sub> is S or T; X<sub>3</sub> is S or T; X<sub>4</sub> is V, I or L; and X<sub>5</sub> is P or Q.

102. (Amended) The antibody of claim [101] 100, wherein the enzyme comprises SEQ ID NO:3.

103. (Amended) The antibody of claim [101] 100, further defined as a polyclonal antibody.

104. (Amended) The antibody of claim [101] 100, further defined as a monoclonal antibody.

107. (Amended) A kit for the detection of a 5-enolpyruvylshikimate-3-phosphate synthase enzyme in a sample, [the] said kit comprising:

a container comprising an antibody immunoreactive with SEQ ID NO:3; and

a detection agent.